

## A B S T R A C T

THE USE OF AN ULTRASOUND TRANSDUCER FOR ECHOGRAPHIC  
EXPLORATION OF TISSUES OR ORGANS OF THE HUMAN OR ANIMAL  
5 BODY, IN PARTICULAR OF THE POSTERIOR SEGMENT OF THE  
EYEBALL

The present invention relates to the use of a high  
frequency ultrasound transducer with long focal length  
10 for making a device and for implementing a method of  
echographic exploration of tissue or organs of the human  
or animal body. More particularly, the invention relates  
to using an ultrasound transducer having a nominal  
excitation frequency greater than 20 MHz, preferably  
15 lying in the range 50 MHz to 80 MHz, with long focal  
length, greater than 10 mm, preferably about 25 mm, for  
making a device for echographic exploration of the  
eyeball, in particular of the posterior segment of the  
eyeball, and more particularly of the macular region.

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35 Translation of the title and the abstract as published by the PCT Authorities,  
possibly after making changes, ex officio, e.g. under PCT Rules 37.2, 38.2, and/or  
48.3.